

CLAIMS

1. Tank (1) for a water-treatment device, wherein said tank comprises:
- an internal coating (2), which extends along a longitudinal (X-X) axis, from a bottom to an opening area (6) with an opening (8) to the atmosphere;
 - a hollow insert (10), comprising an annular wall (12) for connection to said coating (2), and a collar (14), connected to said annular wall (12), marking said opening (8) of the coating (2), projecting externally from said coating;
 - an outside covering (40), which at least partially covers said coating, and which is in close contact with this;
- 15 said tank being characterised in that said covering (40) comprises a portion of covering (50) at least partially covering said collar (14), which is in close contact with this, reinforcing the connection between said insert (10) and said coating (2).
- 20 2. Tank according to claim 1, wherein said insert (10) comprises gripping devices suitable for making a notch for connection with said coating.
3. Tank according to claim 2, wherein said gripping devices comprise at least one annular projection (16)
- 25 projecting radially from said annular wall (12).

4. Tank according to any one of the previous claims, wherein said collar (14) presents at least one annular indentation (28), which is penetrated by at least one piece of said portion of covering (50).
- 5 5. Tank according to any one of the previous claims, wherein said collar (14) presents an annular groove (24) suitable for holding a sealing ring (28).
6. Tank according to claim 5, wherein said sealing ring (28) is held between said collar (14) and neck (9b) of
10 the coating on which said collar (14) corresponds.
7. Tank according to any one of the previous claims, wherein said insert (10) presents an internal threaded piece (30).
8. Tank according to any one of the previous claims,
15 wherein said coating (2) is made of a coating material and said insert (10) is made of an insert material, wherein said insert material has a mechanical hardness that is greater than that of said coating material.
9. Tank according to any one of the previous claims,
20 wherein said coating (2) is made of high-density polyethylene for alimentary purposes.
10. Tank according to any one of the previous claims, wherein said insert (10) is made of high-density polyethylene for alimentary purposes loaded with glass
25 fibres.

11. Tank according to any one of the previous claims, wherein said covering (40) comprises at least one bundle of fibre (42).
12. Tank according to claim 11, wherein said bundle of
5 fibre (42) is buried in a matrix, forming a continuous layer of wrapping.
13. Tank according to claim 11 or 12, wherein said bundle (42) comprises glass fibres.
14. Tank according to claim 12 or 13, wherein said matrix
10 is made of an isophthalic neopentilic resin.
15. Tank according to any one of the previous claims, wherein said covering (40) is a continuous, airtight layer.
16. Device for water treatment comprising a tank
15 according to any one of the previous claims.
17. Device according to claim 16, also comprising a structure suitable for holding said tank, which is largely hidden from sight and suitable for holding water.
18. Method for manufacturing a tank made according to any
20 one of the claims from 1 to 15, comprising the phases of:
- making said hollow insert (10);
 - making said coating (2), connected to said insert (10);
 - covering said collar (14) with a portion of covering (50);
 - 25 - covering said coating, at least partially, with a

covering (40), said portion of covering (50) of the collar being continuous with said covering (40) of the coating.

19. Method according to claim 18, wherein said phase of
5 producing said coating connected to said insert comprises the phase of making said coating with a rotational press.

20. Method according to claim 18, wherein said phase of producing said coating (2) connected to said insert (10) comprises the phase that involves the implementation of a
10 procedure for blowing a tube, part of said tube having being previously arranged around said annular wall (12) of said insert (10) to connect said insert (10) to said coating (2).

21. Method according to any one of the claims from 18 to
15 20, wherein said phase of covering said collar (14) with a portion of covering (50) comprises the phase of wrapping said collar (14) with said portion of covering (50).

22. Method according to any one of the claims from 18 to
20 21, wherein said phase of covering said coating (2) with a covering (40) comprises the phase of wrapping said coating (2), at least partially, with said covering (40).